

WHAT IS CLAIMED IS:

1. An information recording medium including recording information area in which recording information is recorded and  
5 reproducing procedure information recoding area in which reproducing procedure information indicating at least one reproducing procedure to reproduce the recording information is recorded,

wherein the information recording medium further includes integrated reproducing procedure information recoding area in which

10 integrated reproducing procedure information is recorded, the integrated reproducing procedure information indicating at least one reproducing procedure to sequentially reproduce a plurality of the recording information including recording information recorded in other information recording medium.

15 2. The information recording medium according to claim 1, wherein the integrated reproducing procedure information includes at least: indicative information indicating the reproducing procedure information that corresponds to the recording information to be sequentially reproduced; and recording medium identification information indicating the other information recording medium.

20 3. The information recording medium according to claim 2, wherein the integrated reproducing procedure information further includes the  
25 indicative information indicating the reproducing procedure information contained in the recording medium itself in which the integrated

reproducing procedure information is recorded, and the recording medium identification information indicates only said other information recording medium.

5    4.    The information recording medium according to claim 1, wherein each of the reproducing procedure information includes at least one reproducing procedure to reproduce each of the recording information in accordance with a procedure that differs from a recording procedure when each of the recording information is recorded in the information recording medium.

10    5.    The information recording medium according to claim 1, wherein each of the recording information is any one of video information, audio information and data information.

15    6.    The information recording medium according to claim 1, wherein the information recording medium is a DVD.

20    7.    An information recording apparatus for recording integrated reproducing procedure information in an information recording medium in which recording information is recorded together with reproducing procedure information indicating at least one reproducing procedure to reproduce the recording information, said integrated reproducing procedure information indicating at least one reproducing procedure to sequentially reproduce a plurality of recording information including recording information recorded in other information recording medium,

said information recording apparatus comprising:

a selecting device for selecting the reproducing procedure information to be employed for generating the integrated reproducing procedure information;

5        a generating device for generating the integrated reproducing procedure information by employing the selected reproducing procedure information; and

10      a recording device for recording the generated integrated reproducing procedure information in said information recording medium.

8.       The information recording apparatus according to claim 7, further comprising:

15      a procedure information generating device for newly generating required reproducing procedure information when the reproducing procedure information to be employed for generating the integrated reproducing procedure information does not exist in any one of said information recording medium and said other information recording medium,

20      wherein the generating device generates the integrated reproducing procedure information by employing the selected reproducing procedure information and the newly generated reproducing procedure information.

25      9.      The information recording apparatus according to claim 7, wherein the integrated reproducing procedure information includes at

least: indicative information indicating the reproducing procedure information that corresponds to the recording information to be sequentially reproduced; and recording medium identification information indicating the other information recording medium.

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10. The information recording apparatus according to claim 8, wherein the integrated reproducing procedure information includes at least: indicative information indicating the reproducing procedure information that corresponds to the recording information to be sequentially reproduced; and recording medium identification information indicating the other information recording medium.

10 10. The information recording apparatus according to claim 8, wherein the integrated reproducing procedure information includes at least: indicative information indicating the reproducing procedure information that corresponds to the recording information to be sequentially reproduced; and recording medium identification information indicating the other information recording medium.

15 11. The information recording apparatus according to claim 9, wherein the integrated reproducing procedure information further includes the indicative information indicating the reproducing procedure information contained in the recording medium itself in which the integrated reproducing procedure information is recorded, and the recording medium identification information indicates only said other information recording medium.

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25 12. The information recording apparatus according to claim 10, wherein the integrated reproducing procedure information further includes the indicative information indicating the reproducing procedure information contained in the recording medium itself in which the integrated reproducing procedure information is recorded, and the recording medium identification information indicates only said

other information recording medium.

13. The information recording apparatus according to claim 7,  
wherein each of the recording information is any one of video  
5 information, audio information and data information.

14. The information recording apparatus according to claim 7,  
wherein the information recording medium is a DVD.

10 15. An information recording method for recording integrated  
reproducing procedure information in an information recording medium  
in which recording information is recorded together with reproducing  
procedure information indicating at least one reproducing procedure to  
reproduce the recording information, said integrated reproducing  
procedure information indicating at least one reproducing procedure to  
15 sequentially reproduce a plurality of recording information including  
recording information recorded in other information recording medium,  
said information recording method comprising the processes of:

selecting the reproducing procedure information to be employed  
20 for generating the integrated reproducing procedure information from a  
plurality of information recording mediums;

generating the integrated reproducing procedure information by  
employing the selected reproducing procedure information; and

recording the generated integrated reproducing procedure  
25 information in said information recording medium.

16. The information recording method according to claim 15, further comprising the process of:

newly generating required reproducing procedure information when the reproducing procedure information to be employed for  
5 generating the integrated reproducing procedure information does not exist in any one of said information recording medium and said other information recording medium,

wherein the process of generating the integrated reproducing procedure information generates the integrated generating procedure 10 information by employing the selected generating procedure information and the newly generated reproducing procedure information.

17. The information recording method according to claim 15, wherein the integrated reproducing procedure information includes at 15 least: indicative information indicating the reproducing procedure information that corresponds to the recording information to be sequentially reproduced; and recording medium identification information indicating the other information recording medium.

20 18. The information recording method according to claim 16, wherein the integrated reproducing procedure information includes at least: indicative information indicating the reproducing procedure information that corresponds to the recording information to be sequentially reproduced; and recording medium identification 25 information indicating the other information recording medium.

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19. The information recording method according to claim 17,  
wherein the integrated reproducing procedure information further  
includes the indicative information indicating the reproducing  
procedure information contained in the recording medium itself in  
5 which the integrated reproducing procedure information is recorded,  
and the recording medium identification information indicates only said  
other information recording medium.
20. The information recording method according to claim 18,  
10 wherein the integrated reproducing procedure information further  
includes the indicative information indicating the reproducing  
procedure information contained in the recording medium itself in  
which the integrated reproducing procedure information is recorded,  
and the recording medium identification information indicates only said  
other information recording medium.
21. An information recording medium in which an information  
recording control program is readably recorded by a computer included  
in an information recording apparatus for recording integrated  
20 reproducing procedure information in an information recording medium  
in which recording information is recorded together with reproducing  
procedure information indicating at least one reproducing procedure to  
reproduce the recording information, said integrated reproducing  
procedure information indicating at least one reproducing procedure to  
25 sequentially reproduce a plurality of recording information including  
recording information recorded in other information recording medium,

1 said information recording control program causing the computer to  
2 function as:

3 a selecting device for selecting the reproducing procedure  
4 information to be employed for generating the integrated reproducing  
5 procedure information;

6 a generating device for generating the integrated reproducing  
7 procedure information by employing the selected reproducing procedure  
8 information; and

9 a recording device for recording the generated integrated  
10 reproducing procedure information in said information recording  
medium.

11 22. The information recording medium according to claim 21,  
12 wherein the information recording control program is readably recorded  
13 by the computer, the information recording control program causing the  
14 computer to further function as:

15 20 a procedure information generating device for newly generating  
16 required reproducing procedure information when the reproducing  
17 procedure information to be employed for generating the integrated  
18 reproducing procedure information does not exist in any one of said  
19 information recording medium and said other information recording  
20 medium,

21 wherein the generating device generates the integrated  
22 reproducing procedure information by employing the selected  
23 reproducing procedure information and the newly generated  
24 reproducing procedure information.

23. An information reproducing apparatus for reproducing recording information from an information recording medium in which integrated reproducing procedure information is recorded in an information recording medium in which recording information is recorded together with reproducing procedure information indicating at least one reproducing procedure to reproduce the recording information, said integrated reproducing procedure information indicating at least one reproducing procedure to sequentially reproduce a plurality of recording information including recording information recorded in other information recording medium, said information reproducing apparatus comprising:

10 a selecting device for selecting any one of the integrated reproducing procedure information from a plurality of information recording mediums;

15 an acquiring device for acquiring the reproducing procedure information from any one of said plurality of information recording mediums, said reproducing procedure information corresponding to at least one reproducing procedure indicated by the selected integrated

20 reproducing procedure information; and

a reproducing device for reproducing the recording information in accordance with at least one reproducing procedure indicated by the acquired reproducing procedure information.

25 24. The information reproducing apparatus according to claim 23, wherein the integrated reproducing procedure information includes at

least: indicative information indicating the reproducing procedure information that corresponds to the recording information to be sequentially reproduced; and recording medium identification information indicating the other information recording medium.

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25. The information reproducing apparatus according to claim 24, wherein the integrated reproducing procedure information further includes the indicative information indicating the reproducing procedure information contained in the recording medium itself in which the integrated reproducing procedure information is recorded, and the recording medium identification information indicates only said other information recording medium.

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26. The information reproducing apparatus according to claim 23, wherein each of the reproducing procedure information includes at least one reproducing procedure to reproduce each of the recording information in accordance with a procedure that differs from a recording procedure when each of the recording information is recorded in the information recording medium.

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27. The information reproducing apparatus according to claim 23, wherein each of the recording information is any one of video information, audio information and data information.

25 28. The information reproducing apparatus according to claim 23, wherein the information recording medium is a DVD.

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29. An information reproducing method for reproducing recording information from an information recording medium in which integrated reproducing procedure information is recorded in an information recording medium in which recording information is recorded together with reproducing procedure information indicating at least one reproducing procedure to reproduce the recording information, said integrated reproducing procedure information indicating at least one reproducing procedure to sequentially reproduce a plurality of recording information including recording information recorded in other information recording medium, said information reproducing method comprising the processes of:

selecting any one of the integrated reproducing procedure information from a plurality of information recording mediums;

acquiring the reproducing procedure information from any one of said plurality of information recording mediums, said reproducing procedure information corresponding to at least one reproducing procedure indicated by the selected integrated reproducing procedure information; and

reproducing the recoding information in accordance with at least one reproducing procedure indicated by the acquired reproducing procedure information.

30. An information recording medium in which an information reproducing control program is readably recorded by a computer included in an information reproducing apparatus for reproducing

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recording information from an information recording medium in which integrated reproducing procedure information is recorded in an information recording medium in which recording information is recorded together with reproducing procedure information indicating at least one reproducing procedure to reproduce the recording information, said integrated reproducing procedure information indicating at least one reproducing procedure to sequentially reproduce a plurality of recording information including recording information recorded in other information recording medium, said information reproducing control program causing the computer to function as:

a selecting device for selecting any one of the integrated reproducing procedure information from a plurality of information recording mediums;

an acquiring device for acquiring the reproducing procedure information from any one of said plurality of information recording mediums, said reproducing procedure information corresponding to at least one reproducing procedure indicated by the selected integrated reproducing procedure information; and

a reproducing device for reproducing the recording information in accordance with at least one reproducing procedure indicated by the acquired reproducing procedure information.

31. A computer data signal embodied in a carrier wave and representing a series of instructions which cause a computer to perform steps to execute a recording process in an information recording apparatus for recording integrated reproducing procedure information

in an information recording medium in which recording information is recorded together with reproducing procedure information indicating at least one reproducing procedure to reproduce the recording information, said integrated reproducing procedure information indicating at least 5 one reproducing procedure to sequentially reproduce a plurality of recording information including recording information recorded in other information recording medium, said steps comprising:

a selecting step for selecting the reproducing procedure information to be employed for generating the integrated reproducing 10 procedure information;

a generating step for generating the integrated reproducing procedure information by employing the selected reproducing procedure information; and

a recording step for recording the generated integrated reproducing procedure information in said information recording medium.

32. A computer data signal embodied in a carrier wave and representing a series of instructions which cause a computer to perform

20 steps to execute a recording process in an information reproducing apparatus for reproducing recording information from an information recording medium in which integrated reproducing procedure information is recorded in an information recording medium in which recording information is recorded together with reproducing procedure 25 information indicating at least one reproducing procedure to reproduce the recording information, said integrated reproducing procedure

information indicating at least one reproducing procedure to sequentially reproduce a plurality of recording information including recording information recorded in other information recording medium, said steps comprising:

5        a selecting step for selecting any one of the integrated reproducing procedure information from a plurality of information recording mediums;

10      an acquiring step for acquiring the reproducing procedure information from any one of said plurality of information recording mediums, said reproducing procedure information corresponding to at least one reproducing procedure indicated by the selected integrated reproducing procedure information; and

15      a reproducing step for reproducing the recording information in accordance with the reproducing procedures indicated by the acquired reproducing procedure information.

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